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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/384,186	08/27/1999	HIROAKI MATSUYAMA	12922	7473
23389 7	590 06/04/2003			_
SCULLY SCOTT MURPHY & PRESSER, PC			EXAMINER	
	400 GARDEN CITY PLAZA GARDEN CITY, NY 11530		NGUYEN, HOAN C	
			ART UNIT	PAPER NUMBER
			2871	. <u>.</u>
		DATE MAILED: 06/04/2003	DATE MAILED: 06/04/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

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		Application N .	pplicant(s)		
,	esia. Antina Communica	09/384,186	MATSUYAMA, HIROAKI		
γ ο	ffic Action Summary	Examin r	Art Unit		
74.	MAN INC DATE AND A STATE OF THE	HOAN C. NGUYEN	2871		
<i>I ne</i> Period for Rej	MAILING DATE of this communication apoly	pears on the c ver sheet with the c	correspondence address		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status					
1)⊠ Res	ponsive to communication(s) filed on 21				
<u> </u>	2a) This action is FINAL . 2b) This action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims					
4)⊠ Clair	n(s) <u>1,3-7,10-16,18-22 and 24-42</u> is/are	pending in the application.			
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6) Claim(s) is/are rejected.					
7)☐ Clair	n(s) is/are objected to.				
8) Claim(s) 1,3-7,10-16,18-22 and 24-42 are subject to restriction and/or election requirement.					
Application Papers					
9) The specification is objected to by the Examiner.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.					
If approved, corrected drawings are required in reply to this Office action.					
12) The oath or declaration is objected to by the Examiner.					
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:					
_	 Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No 				
Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).					
a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.					
Attachment(s)					
2) Notice of Dr	eferences Cited (PTO-892) aftsperson's Patent.Drawing Review (PTO-948) Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal	y (PTO-413) Paper No(s) Patent Application (PTO-152)		
J.S. Patent and Trademark	Office				

DETAILED ACTION

Election/Restrictions

This application contains embodiments directed to the following patentably distinct species of the claimed invention:

- A. The species of First embodiment drawn to a liquid crystal display device with (a) multi-domain alignment by the orientation layer 10 having the curved surface and columnar spacer 12 disposed approximately at a center of a pixel; wherein an insulating film 9 disposed between the orientation layer 10 and pixel electrode 15 (figures 1-3).
- B. The species of Second embodiment drawn to a liquid crystal display device with (a) multi-domain alignment by the orientation layer 21 having the curved surface and columnar spacer 12 disposed approximately at a center of a pixel; wherein an the orientation layer 21 is formed directly on and pixel electrode 8 (figures 4 and 5).

Each Group A or B contains embodiments directed to the following patentably distinct subspecies of the claimed invention:

- a. The First Subspecies drawn to the curved surface <u>having a recess or concave</u>

 <u>shape</u> and columnar spacer 12 <u>having cross-section decreased from the orientation</u>

 <u>layer</u> according to Fig. 1 or Fig. 4.
- b. The second Subspecies drawn to the curved <u>surface having a convex shape</u> and columnar spacer 12 <u>having cross-section increased from the orientation layer</u> according to Fig. 3 and Fig. 5.

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³ Art Unit: 2871

If Group A or B is elected, Applicant is required under 35 U.S.C. 121 to elect a single disclosed subspecies for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, none of claims is generic.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, there is no generic claim.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and <u>a listing of all claims</u> and any drawings readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over

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the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement is traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to HOAN C. NGUYEN whose telephone number is (703) 306-0472.

HOAN C. NGUYEN Examiner Art Unit 2871

chn May 30, 2003

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